

## CROUZET - 89831/89891 WORM GEAR MOTORS

DCmind series - high performance DC motors, 57-104W

89831YXX  
Worm gearmotor 57W 12V90Vdc 60-600rpm 10Nm max

- 12 - 24Vdc
- Up to 10Nm
- Up to 686rpm
- Very low noise and vibration levels
- IP65 as standard



### PRODUCT DESCRIPTION

The DCmind Brush range is Crouzet's next generation of high-performance brushed DC motors, engineered to be extremely quiet and energy-efficient they are ideal for medical and laboratory applications, and any application that requires very low noise and vibration levels.

The motor without gearbox emits a noise level of just 35 dBA (for comparison moderate rainfall is around 50dB), the DCmind Brush motors have a lifespan of up to 24,000hrs with no load and up to 5,000hrs with rated load.

All motors are rated to IP65 as standard with the option to reach up to IP69K.

DCmind is UL certified and carries various other specific certificates, including medical

The standard motors can be adapted to better suit a specific application, adaptations can include the addition of an encoder, brake, special output shaft and general minor mechanical/electrical modifications

### TECHNICAL DATA

IP class	IP65
Length	174 mm
Life span	5000h
Max. torque	10
Power	57 W
Ratio	i=5→100:1
Shaft diameter	10 mm
Speed options	60rpm→600rpm

<b>Supply voltage</b>	12 V DC, 24 V DC, 48 V DC, 90 V DC
<b>Type of gearbox</b>	Worm
<b>Weight</b>	1.8 kg

